YOUR NAME:MARWA MOHAMED NABIL

CURRENT POSITION: RESEARCHER

PERSONAL INFORMATION	Full Name:	Marwa Mohamed Nabil Hamouda
	Affiliations:	Department of Electronic Materials Researches - Institute of Advanced Technology & New Materials (IATNM) City of Scientific Research and Technological Applications)
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	Important links:	
EDUCATION	List your Degrees here… (start with the most recent) - **PHD in Physics (Solid States), 2014** Faculty of Science, Alexandria University. - **M.Sc. in Material Science, 2004** Institute of Graduate Studies and Research, Alexandria University. - **Diploma in Material Science, 2001** Institute of Graduate Studies and Research, Alexandria University. - **B.Sc. In Physics and Chemistry, 1999** Faculty of Science, Alexandria University.	
ACTIVITIES	**Scientific Activities** **1. Workshops** 1- Middle East-Microwave Assist Technology (MAT) in Materials Processing Workshop, which held from 21 to 22 October 2009, Alexandria, Egypt. 2- TWAS-ARO 7th Annual Meeting-Water, Nuclear and Renewable Energy: Challenges Versus Opportunities, which was held from 28 to 29 December 2011, at the Bibliotheca Alexandrina, Alexandria, Egypt. 3- 1st Symposium of Advanced Material Sciences (SAMS-2012), which was held 14 March 2012, Alexandria, Egypt. 4- Knowledge and Culture of ISO, which was held 9th April 2013, City of	

Scientific Research and Technological Applications – Arid Land Cultivation Research Institute, Alexandria, Egypt.

5- Application of Nanochemistry in Energy, Water and Environment Development, which was held 14 April 2013, Department of Chemistry, Faculty of Science, ASU, Alexandria, Egypt.
6- 2nd Workshop on Advanced Materials, 18th December 2014, E-just & SRTA City, Alexandria, Egypt.
7- 1st Workshop on Environment: Challenges & Solutions, which was held 5th April 2016, Bibliotheca Alexandrina, Alexandria, Egypt.
8- 3rd Workshop on Advanced Materials and Its Applications, 28th November 2016, E-just & SRTA City, Alexandria, Egypt.
9- 1st Workshop on Different Type of Electronic Microscope Components and Their Importance in Analyzing Different Samples in Various Scientific Fields in Professional Way, 17th -19th April 2018, SRTA City, Alexandria, Egypt.
10- Workshop on Safety Precautions in Laboratories and Industry, 27th January 2019, SRTA City, Alexandria, Egypt.

2. Conferences

1- 2015 International Conference on Intelligent Materials and Manufacturing Engineering (IMME2015) January 16-17, 2015, Phuket Island, Thailand.

Silica Nanoparticles Preparation using Alkali Etching Process
Marwa Nabil and HussienMotaweh IMME 2015-M079.

2- 2016 International Conference on Mechanics, Materials and Structural Engineering (ICMMSE 2016) March 18-20, 2016, Jeiu Island, South Korea.

"Alkali anisotropic chemical etching of p-silicon wafer"
Marwa Nabil and HussienMotaweh ICMMSE 2016- MSE#092.

3- 2017 International Conference on Structural, Mechanical and Materials Engineering (ICSMME 2017) July 13-15, 2017, Seoul, South Korea.

"Enhancement of porous silicon photoluminescence using (Ni) treatment"
Marwa Nabil, Mohamed Elnouby, Nada Gayeh, Abd-El-HamiedSakr and HussienMotaweh ICSMME 2017- ICM#031.

4- 2017 The Fourth International Conference on Advanced Sciences (ICAS4 2017) November 7-10, 2017, Hurghada, Egypt.

"Nano porous silicon as a promise material and its applications", Oral.
Abd-El HadyKashyout, Marwa Nabil.

5- 2018 6th International Conference on Nano and Materials Science (ICNMS 2018) - January 15-17, 2018, Florida Polytechnic University, USA.

"Porous silicon powder as an adsorbent of heavy metal (Nickel)"
Marwa Nabil and Hussien A. Motaweh NMS2018-267.

6- 2018 International Conference on Materials Science and Engineering (ICMSE-RAC) - March 11-13, 2018, E-just, Alexandria, Egypt.

7- 2018 4th Global Nanotechnology Congress and Expo, April 16-18, 2018, Dubai, UAE.

"Enhance the thermal stability of Nano-porous silicon powder", Poster.
Marwa Nabil and Hussien A. Motaweh.

8- 2019 6th International Conference on Multifunctional, Hybrid and Nanomaterials, 11-15 March 2019, Sitges, Spain.

"Controlling the shape of a nano-porous-silica powder", Poster.
Marwa Nabil and Hussien A. Motaweh.

9- 2019 2nd International Conference of Chemical, Energy and Environmental Engineering, 16-18 July 2019, Egypt Japan University of Science and Technology, Alexandria, Egypt.

"Micro- ribbons and micro-wires silica synthesis using Bottom-top technique", Poster.
Marwa Nabil and Hussien A. Motaweh.

10- 2019 7th Annual International Conference on Physics, 22-25 July 2019, Athens, Greece.

"Porous Silica as a Master Material in Various Applications", Oral.
Hussien A. Motaweh and Marwa Nabil.1

3. Reviewer in

1- As a reviewer in "Desalination and Water Treatment".
2- As a reviewer in "Microbiology Research International".
3- As a reviewer in "Advances in Nanoparticles".
4- As a reviewer in "Scientific Reports".
5- As a reviewer in "IOP Science Conference Series Materials Science and Engineering (MSE) 2017".

	6- As a reviewer in "CMSE Conference 2018". 7- As a reviewer in "ECS Journal of Solid State Science and Technology (JSS)". **4. Academic Degrees Supervised** **I supervised a number of M.Sc and Ph.D. students in the following areas of research:** 1- "Preparation of (Porous Silicon/Nickel) nano-composite as adsorbent of dyes in water treatment application", M.Sc. degree. 2- "Synthesis, Characterization and Environmental Application of Porous Silicon", M.Sc. degree. 3- "Structure and positron annihilation studies of Porous Silica Powder Synthesized by One Step as a Novel Method", M.Sc. degree. 4- "Novel method for synthesis of non-enzymatic glucose sensor devices (based on copper / porous silicon nano-composite)", Ph.D. degree. 5- "Application of Nano Porous Silicon for Hydrogen Production", Ph.D. degree. 6- "Preparation and Characterization of Nanocomposites as Sodium Ion Battery Electrodes", Ph.D. degree.
	Administrative Activities List your Administrative Activities here… (Activity Title, Description& Date)
	Extra-curriculum Activities List your Extra-curriculum Activitieshere… e.g. (Leadership,Community services& Volunteer work)
GRANTS & AWARDS	List your Grants here…(start with the most recent) (Grant's Name – Date – Location)
	Awards

	List your Awards here…(start with the most recent) (Award's Name – Date – Location)
LIST OF PUBLICATIONS	1- Marwa M Nabil, HussienMotaweh, "Studying the wetting agent impact in the porous silicon production", Egyptian Journal of Chemistry, Volume 63, Issue 5, May 2020, Page 18-19. 2- Marwa M Nabil, Kamal M Mahmoud, RaghdaNomeir, El-Maghraby El-Maghraby, HussienMotaweh, "3D porous silicon (nanorods array, nanosheets, and nanoclusters) production", Egyptian Journal of Chemistry, Article 107, Volume 63, Issue 4, April 2020, Page 6-7. 3- HussienMotaweh, Marwa M Nabil, "Porous Silica for Removing Organic Impurities from Wastewater", Athens Journal of Sciences- Volume 6, Issue 4 – Pages 253-264. 4- Marwa Nabil, "Photoluminescence Emission Control of Porous Silicon", Soft Nanoscience Letters, 2019, 9, 35-44. 5- Marwa Nabil, Hussien A. Motaweh, "DENDRITIC POROUS SILICON AS A HEAVY METAL REMOVAL (COPPER ELEMENT)", Eurasian Union of Scientists-ЕвразийскийСоюзУченых (ЕСУ) # 4 (61), 2019, 55-59. 6- Marwa Nabil, Hussien A. Motaweh, "Shape Control of Silica Powder Formation", Journal of Materials Science and Chemical Engineering, 2019, 7, 49-55. 7- AbdEl-HadyKashyout, Marwa Nabil, "Production of high throughput nano-porous silicon (NPS) powder with different architectures", Materials Chemistry and Physics 216 (2018) 454–459. 8- Marwa Nabil, Kamal R. Mahmoud, Abdel hamid El-Shaer and Huda A. Nayber, " Preparation of crystalline silica (quartz, cristobalite, and tridymite) and amorphous silica powder (one step)", Journal of Physics and Chemistry of Solids, 2018, 121, 22-26. 9- Marwa Nabil and Hussien A. Motaweh, "Porous silicon powder as an adsorbent of heavy metal (Nickel)", 2018, 6th International Conference on Nano and Materials Science (ICNMS 2018), Florida Polytechnic University, USA, NMS2018-267. 10- M Nabil, M Elnouby, N. Gayeh, A. H. Sakr and H. A. Motaweh, "Enhancement of porous silicon photoluminescence using (Ni) treatment", IOP Conf. Series: Materials Science and Engineering 248 (2017) 012001.

11- Marwa Nabil and Hussien A. Motaweh, "Enhanced thermal stability of promising nano-porous silicon powder", Advances in Nanoparticles, 2016, 5, 199-205.

12- Marwa Nabil and Hussien A. Motaweh, " Alkali anisotropic chemical etching of p-silicon wafer", International Conference on Mechanics, Materials and Structural Engineering (ICMMSE 2016), MSE#092.

13- Abdel-HadyKashyout, Hesham M. A. Soliman, Marwa Nabil, Ahmed A. Bishara, “Impact of Congo red dye in nano-porous silicon as pH-sensor”, Sensors and Actuators b, 2015, 216, 279–285.

14- Marwa Nabil and Hussien A. Motaweh, “Silica nanoparticles preparation using alkali etching process”, Applied Mechanics and Materials, 2015, 749, 155-158.

15- A.E.-H.B. Kashyout, E.-Z. Ahmed, T. Meaz, M. Nabil, M. Amer, “(One-Step) Electrochemical deposition and characterization of CuInSe2 thin films”, Alexandria Engineering Journal, 2014, 53, 731–736.

16- Abdel-HadyKashyout, Hesham M. A. Soliman, Marwa Nabil, Ahmed A. Bishara, “Fabrication of Congo Red/Oxidized Porous Silicon (CR/OPS) pH-Sensors”, Materials Sciences and Applications, 2013, 4, 79-87.

17- 2- Abdel-HadyKashyout , Hesham M.A. Soliman , Marwa Nabil , Ahmed A. Bishara, “Fabrication of Porous Silicon using Alkali Etching Process”, Materials Letters 100 (2013) 184–187.

18- M.Y. Feteha, A.W. Nashed and M. Nabil, "A low cost solar cell based on dye sensitized nc-rutile TiO2 films", World Renewable Energy Congress,2004.